

10/669,470

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(FILE 'HOME' ENTERED AT 21:02:02 ON 30 AUG 2005)

FILE 'REGISTRY' ENTERED AT 21:03:10 ON 30 AUG 2005

L1 SCREEN 964  
L2 STRUCTURE UPLOADED  
L3 QUE L2 AND L1  
L4 76 S L3 FUL

FILE 'CAPLUS' ENTERED AT 21:04:27 ON 30 AUG 2005

L5 4918531 S PY>2000  
L6 83 S L4  
L7 2 S L4/THU  
L8 61 S L6 NOT L5  
L9 174915 S BONE/IA  
L10 0 S L8 AND L9  
L11 1 S L6 AND L9  
L12 549114 S METABOLISM/IA  
L13 0 S L8 AND L12  
L14 1 S L6 AND L12

FILE 'USPATFULL' ENTERED AT 21:06:43 ON 30 AUG 2005

L15 20 S L4  
L16 5854 S 554/NCL  
L17 133515 S 514/NCL  
L18 2 S L15 AND L16  
L19 5 S L15 AND L17  
L20 6 S L18 OR L19

L20 ANSWER 1 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2004:77216 USPATFULL  
TITLE: Agent for improving bone metabolism  
INVENTOR(S): Shinohara, Gou, Yokosuka-shi, JAPAN  
Tsuchiya, Kin-Ya, Yokosuka-shi, JAPAN  
Yamanouchi, Katsuaki, Yokosuka-shi, JAPAN  
Inui, Toshiyuki, Yokosuka-shi, JAPAN  
PATENT ASSIGNEE(S): The Nisshin Oillio, Ltd. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004058995	A1	20040325
APPLICATION INFO.:	US 2003-669470	A1	20030925 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2002-JP3187, filed on 29 Mar 2002, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2001-101821	20010330
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BURNS DOANE SWECKER & MATHIS L L P, POST OFFICE BOX 1404, ALEXANDRIA, VA, 22313-1404	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2039	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to an improver for bone metabolism comprising one or at least two of chain isoprenoid fatty acid esters and preferably to an improver for bone metabolism whose improving effect is ascribable to the bone absorption-inhibitory action and/or the bone

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formation-promoting action of the esters.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 467252-80-8P

(bone metabolism improving agents containing isoprenoid fatty acid esters)

RN 467252-80-8 USPATFULL

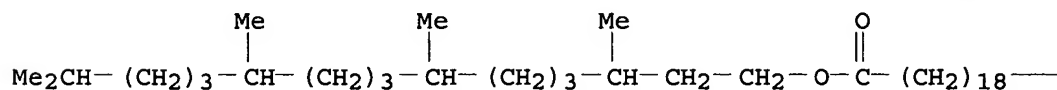
CN Eicosapentaenoic acid, 3,7,11,15-tetramethylhexadecyl ester (9CI) (CA  
INDEX NAME)

CM 1

CRN 467252-79-5

CMF C40 H80 O2

PAGE 1-A



PAGE 1-B

— Me

L20 ANSWER 2 OF 6 USPATFULL on STN

ACCESSION NUMBER: 88:24245 USPATFULL

TITLE: Antiulcer compounds

INVENTOR(S): Tahara, Yoshiyuki, Oi, Japan  
Nagai, Michiko, Wako, Japan  
Kogure, Katsura, Kawagoe, Japan  
Kawase, Shigeo, Tsurugashima, Japan  
Yamaguchi, Teruhito, Tokyo, Japan  
PATENT ASSIGNEE(S): Nisshin Flour Milling Co., Ltd., Japan (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4738801		19880419
APPLICATION INFO.:	US 1986-879073		19860626 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1984-671237, filed on 14 Nov 1984, now patented, Pat. No. US 4642314 which is a division of Ser. No. US 1980-121284, filed on 13 Feb 1980, now patented, Pat. No. US 4483871 which is a division of Ser. No. US 1978-889568, filed on 23 Mar 1978, now patented, Pat. No. US 4221810		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lone, Werren B.		
ASSISTANT EXAMINER:	Clarke, Vera C.		
LEGAL REPRESENTATIVE:	Abelman Frayne Rezac & Schwab		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	902		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are saturated and unsaturated aliphatic acids and esters of formula R--Z as defined in the specification which are antiulcer agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

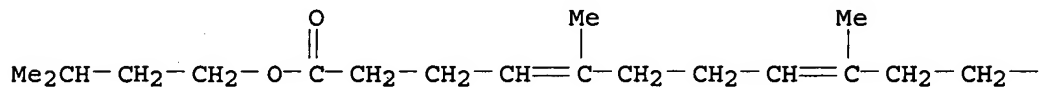
IT 68670-89-3P 72996-24-8P 72996-25-9P

(preparation and antiulcer activity of)

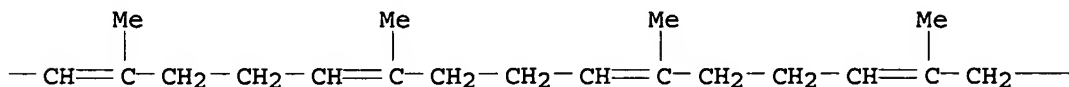
RN 68670-89-3 USPATFULL

CN 4,8,12,16,20,24,28,32,36,40-Dotetracontadecaenoic acid,  
5,9,13,17,21,25,29,33,37,41-decamethyl-, 3-methylbutyl ester (9CI) (CA  
INDEX NAME)

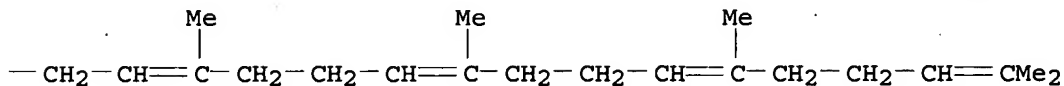
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PAGE 1-B



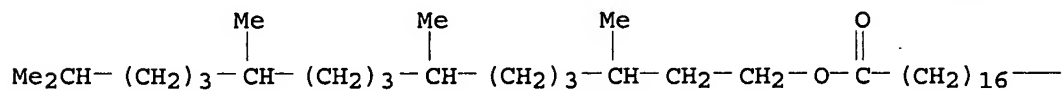
PAGE 1-C



RN 72996-24-8 USPATFULL

CN Octadecanoic acid, 3,7,11,15-tetramethylhexadecyl ester (9CI) (CA INDEX  
NAME)

PAGE 1-A



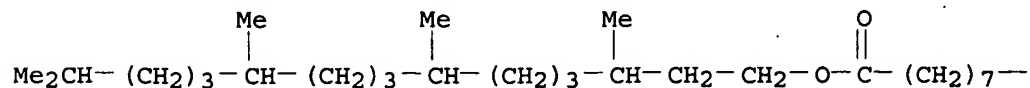
PAGE 1-B

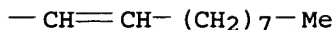
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RN 72996-25-9 USPATFULL

CN 9-Octadecenoic acid (9Z)-, 3,7,11,15-tetramethylhexadecyl ester (9CI) (CA  
INDEX NAME)

PAGE 1-A





L20 ANSWER 3 OF 6 USPATFULL on STN

ACCESSION NUMBER: 88:17842 USPATFULL

TITLE: Pyrroloisoquinolinyl-dimethyloxoalkyl alkanoates and their use as antipsychotic agents

INVENTOR(S): Berger, Leo, Montclair, NJ, United States

Olson, Gary L., Westfield, NJ, United States

PATENT ASSIGNEE(S): Hoffmann-La Roche Inc., Nutley, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4732902		19880322
APPLICATION INFO.:	US 1986-866532		19860523 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Jiles, Henry R.		
ASSISTANT EXAMINER:	Richter, J.		
LEGAL REPRESENTATIVE:	Saxe, Jon S., Leon, Bernard S., Isgro, William G.		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1481		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to long-acting depot producing antipsychotic pyrroloisoquinolinyl-dimethyloxoalkyl alkanoates of the formula ##STR1## wherein R.sub.1 and R.sub.2 independently, are hydrogen, alkyl of 1 to 4 carbon atoms, cycloalkyl or alkenyl, or taken together are alkylene of 3 to 6 carbon atoms; and R.sub.3 is hydrogen, alkyl, hydroxyalkyl, phenylhydroxyalkyl, halophenylhydroxyalkyl, alkylphenylhydroxyalkyl, alkoxyphenylhydroxyalkyl, alkoxyalkyl, aryloxyhydroxyalkyl, alkoxyhydroxyalkyl, acyloxyalkyl, arylcarbonylalkyl, alkoxy carbonylalkyl, aralkyl, alkenyl, alkylcycloalkyl, alkynyl, thienylalkyl, furylalkyl, arylcarboxamidoalkyl, acylalkyl, cyclic-alkyloxoalkyl, cyclic-alkylhydroxyalkyl, alkenyloxyalkyl, aralkenyl, aryloxyalkyl, or aryl-N-imidazolonylalkyl; R.sub.4 is alkyl; and n is the integer 2 or 3,

their corresponding optical isomers, geometric isomers, and mixtures thereof, and the pharmaceutically acceptable acid additional salts.

The compounds of formula I are useful as antipsychotic agents.

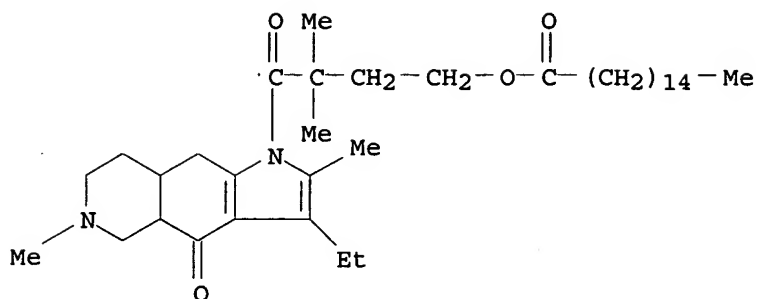
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 113459-14-6P 113459-15-7P 113459-16-8P  
(preparation of, as antipsychotic)

RN 113459-14-6 USPATFULL

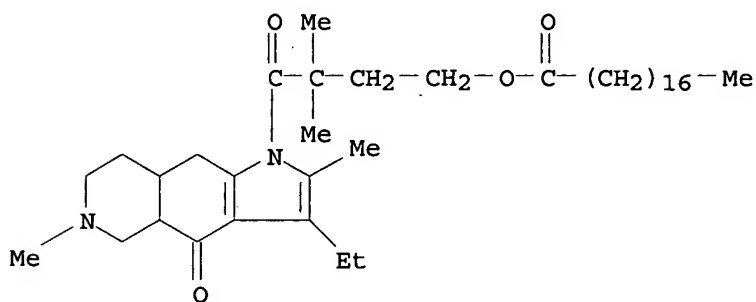
CN Hexadecanoic acid, 4-(3-ethyl-4,4a,5,6,7,8,8a,9-octahydro-2,6-dimethyl-4-oxo-1H-pyrrolo[2,3-g]isoquinolin-1-yl)-3,3-dimethyl-4-oxobutyl ester  
(9CI) (CA INDEX NAME)

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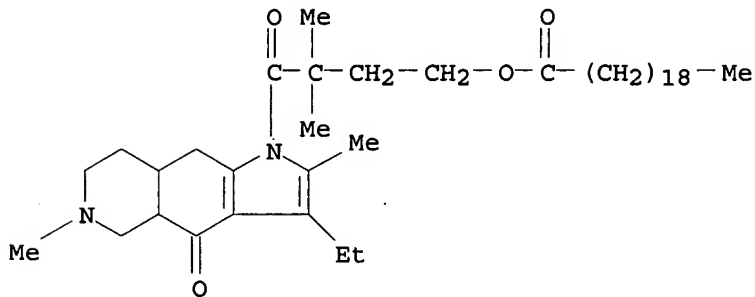
RN 113459-15-7 USPATFULL

CN Octadecanoic acid, 4-(3-ethyl-4,4a,5,6,7,8,8a,9-octahydro-2,6-dimethyl-4-oxo-1H-pyrrolo[2,3-g]isoquinolin-1-yl)-3,3-dimethyl-4-oxobutyl ester (9CI) (CA INDEX NAME)



RN 113459-16-8 USPATFULL

CN Eicosanoic acid, 4-(3-ethyl-4,4a,5,6,7,8,8a,9-octahydro-2,6-dimethyl-4-oxo-1H-pyrrolo[2,3-g]isoquinolin-1-yl)-3,3-dimethyl-4-oxobutyl ester (9CI) (CA INDEX NAME)



IT 113459-06-6P 113459-22-6P 113459-23-7P

113459-24-8P 113459-27-1P 113459-28-2P

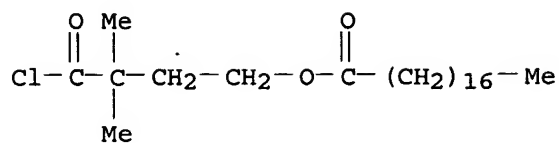
113459-29-3P 113459-33-9P 113459-34-0P

(preparation of, as antipsychotic intermediate)

RN 113459-06-6 USPATFULL

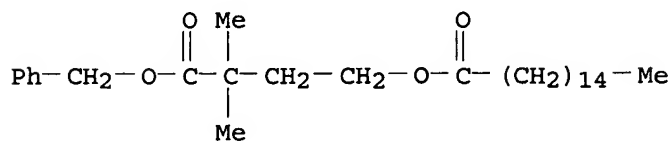
CN Octadecanoic acid, 4-chloro-3,3-dimethyl-4-oxobutyl ester (9CI) (CA INDEX NAME)

10/669,470



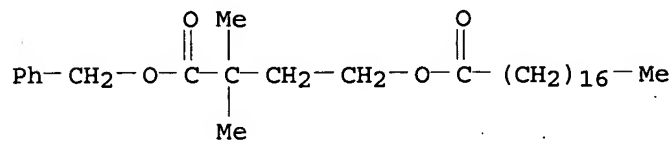
RN 113459-22-6 USPATFULL

CN Hexadecanoic acid, 3,3-dimethyl-4-oxo-4-(phenylmethoxy)butyl ester (9CI)  
(CA INDEX NAME)



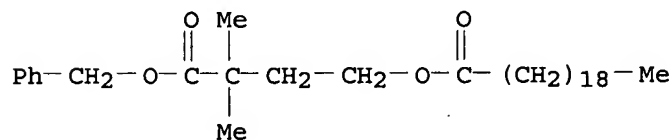
RN 113459-23-7 USPATFULL

CN Octadecanoic acid, 3,3-dimethyl-4-oxo-4-(phenylmethoxy)butyl ester (9CI)  
(CA INDEX NAME)



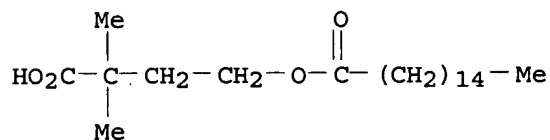
RN 113459-24-8 USPATFULL

CN Eicosanoic acid, 3,3-dimethyl-4-oxo-4-(phenylmethoxy)butyl ester (9CI)  
(CA INDEX NAME)



RN 113459-27-1 USPATFULL

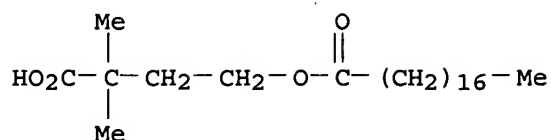
CN Hexadecanoic acid, 3-carboxy-3-methylbutyl ester (9CI) (CA INDEX NAME)



RN 113459-28-2 USPATFULL

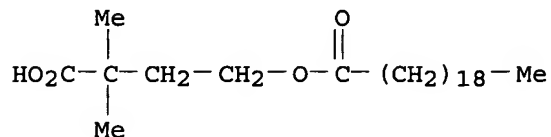
CN Octadecanoic acid, 3-carboxy-3-methylbutyl ester (9CI) (CA INDEX NAME)

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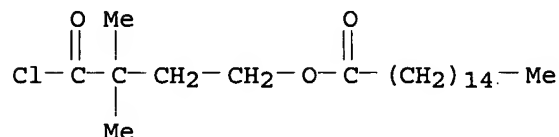
RN 113459-29-3 USPATFULL

CN Eicosanoic acid, 3-carboxy-3-methylbutyl ester (9CI) (CA INDEX NAME)



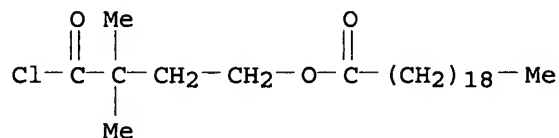
RN 113459-33-9 USPATFULL

CN Hexadecanoic acid, 4-chloro-3,3-dimethyl-4-oxobutyl ester (9CI) (CA INDEX NAME)



RN 113459-34-0 USPATFULL

CN Eicosanoic acid, 4-chloro-3,3-dimethyl-4-oxobutyl ester (9CI) (CA INDEX NAME)



L20 ANSWER 4 OF 6 USPATFULL on STN

ACCESSION NUMBER: 87:9603 USPATFULL

TITLE: Antiulcer compounds

INVENTOR(S): Tahara, Yoshiyuki, Oi, Japan

Nagai, Michiko, Wako, Japan

Kogure, Katsura, Kawagoe, Japan

Kawase, Shigeo, Tsurugashima, Japan

Yamaguchi, Teruhito, Tokyo, Japan

PATENT ASSIGNEE(S): Nisshin Flour Milling Co., Ltd., Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4642314		19870210
APPLICATION INFO.:	US 1984-671237		19841114 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1980-121284, filed on 13 Feb 1980, now patented, Pat. No. US 4483871, issued on 20 Nov 1984 which is a division of Ser. No. US 1978-889568, filed on 23 Mar 1978, now patented, Pat.		

No. US 4221810, issued on 9 Sep 1980

DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Waddell, Frederick E.  
 LEGAL REPRESENTATIVE: Abelman Frayne Rezac & Schwab  
 NUMBER OF CLAIMS: 4  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 931

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An antiulcer composition, containing, as active ingredient, an antiulcer effective amount of an isoprene derivative as herein defined, is described.

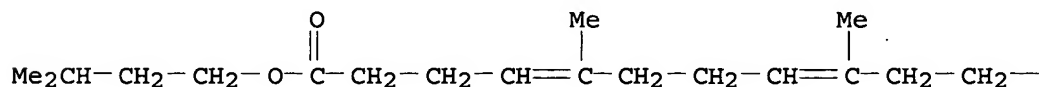
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 68670-89-3P 72996-24-8P 72996-25-9P  
 (preparation and antiulcer activity of)

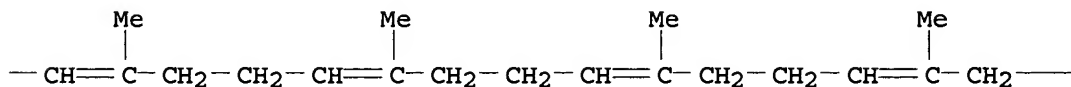
RN 68670-89-3 USPATFULL

CN 4,8,12,16,20,24,28,32,36,40-Dotetracontadecaenoic acid,  
 5,9,13,17,21,25,29,33,37,41-decamethyl-, 3-methylbutyl ester (9CI) (CA  
 INDEX NAME)

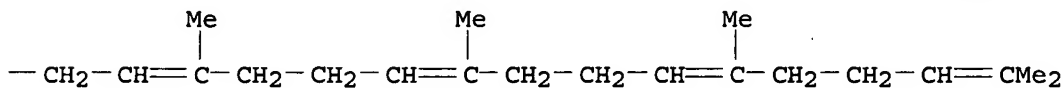
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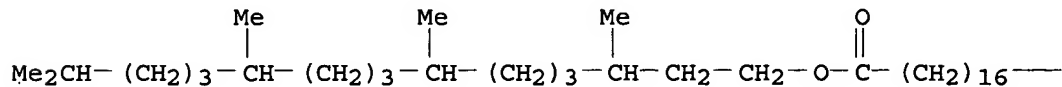
PAGE 1-C



RN 72996-24-8 USPATFULL

CN Octadecanoic acid, 3,7,11,15-tetramethylhexadecyl ester (9CI) (CA INDEX  
 NAME)

PAGE 1-A



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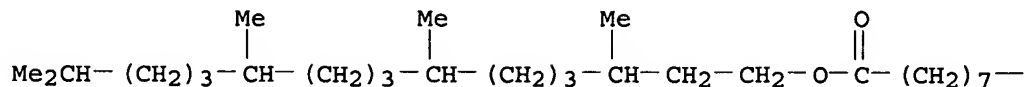


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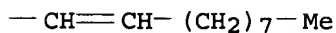
RN 72996-25-9 USPATFULL

CN 9-Octadecenoic acid (9Z)-, 3,7,11,15-tetramethylhexadecyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



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L20 ANSWER 5 OF 6 USPATFULL on STN

ACCESSION NUMBER: 84:64818 USPATFULL

TITLE: Antiulcer compounds

INVENTOR(S): Tahara, Yoshiyuki, Oi, Japan  
Nagai, Michiko, Wako, Japan  
Kogure, Katsura, Kawagoe, Japan  
Kawase, Shigeo, Tsurugashima, Japan  
Yamaguchi, Teruhito, Tokyo, Japan  
PATENT ASSIGNEE(S): Nisshin Flour Milling Co., Ltd., Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4483871		19841120
APPLICATION INFO.:	US 1980-121284		19800213 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1978-889568, filed on 23 Mar 1978, now patented, Pat. No. US 4221810		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Waddell, Frederick E.		
LEGAL REPRESENTATIVE:	Abelman, Frayne, Rezac & Schwab		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	912		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An antiulcer composition comprising phytyl oleate or isophytyl oleate as the active ingredient is described.

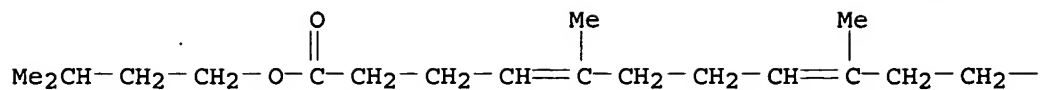
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 68670-89-3P 72996-24-8P 72996-25-9P  
(preparation and antiulcer activity of)

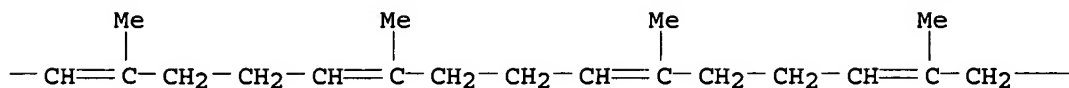
RN 68670-89-3 USPATFULL

CN 4,8,12,16,20,24,28,32,36,40-Dotetracontadecaenoic acid,  
5,9,13,17,21,25,29,33,37,41-decamethyl-, 3-methylbutyl ester (9CI) (CA INDEX NAME)

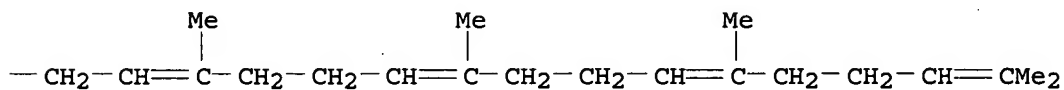
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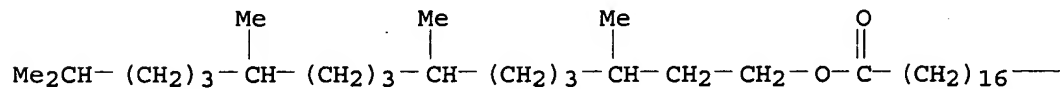
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RN 72996-24-8 USPATFULL

CN Octadecanoic acid, 3,7,11,15-tetramethylhexadecyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



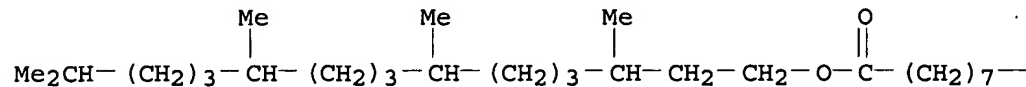
PAGE 1-B

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RN 72996-25-9 USPATFULL

CN 9-Octadecenoic acid (9Z)-, 3,7,11,15-tetramethylhexadecyl ester (9CI) (CA INDEX NAME)

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— CH=CH—(CH<sub>2</sub>)<sub>7</sub>—Me

L20 ANSWER 6 OF 6 USPATFULL on STN

ACCESSION NUMBER: 80:44303 USPATFULL

TITLE: Antiulcer compounds

INVENTOR(S): Tahara, Yoshiyuki, Oi, Japan

Nagai, Michiko, Wako, Japan

Kogure, Katsura, Kawagoe, Japan

Kawase, Shigeo, Tsurugashima, Japan

Yamaguchi, Teruhito, Tokyo, Japan

PATENT ASSIGNEE(S): Nisshin Flour Milling Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4221810		19800909
APPLICATION INFO.:	US 1978-889568		19780323 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Chan, Nicky		
LEGAL REPRESENTATIVE:	Haseltine, Lake & Waters		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
LINE COUNT:	908		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB  $\alpha$ -Tocopheryl derivatives, useful as agents for the treatment of ulcer, are described.

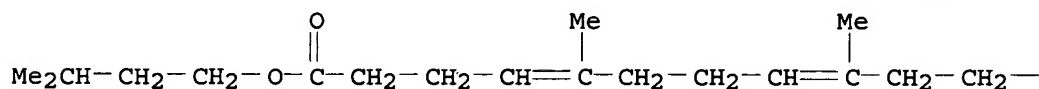
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 68670-89-3P 72996-24-8P 72996-25-9P  
(preparation and antiulcer activity of)

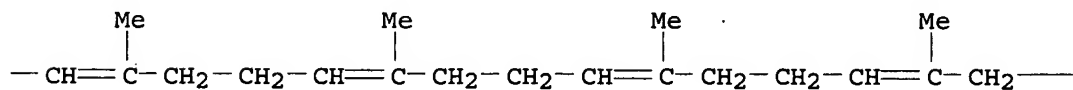
RN 68670-89-3 USPATFULL

CN 4,8,12,16,20,24,28,32,36,40-Dotetracontadecaenoic acid,  
5,9,13,17,21,25,29,33,37,41-decamethyl-, 3-methylbutyl ester (9CI) (CA  
INDEX NAME)

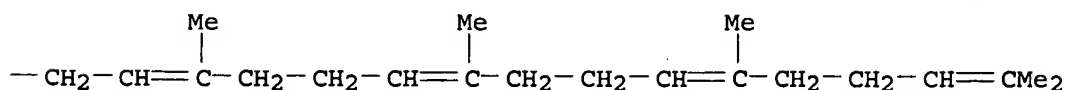
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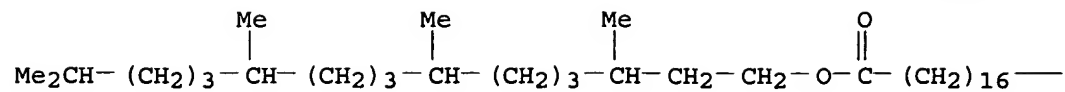


RN 72996-24-8 USPATFULL

CN Octadecanoic acid, 3,7,11,15-tetramethylhexadecyl ester (9CI) (CA INDEX NAME)

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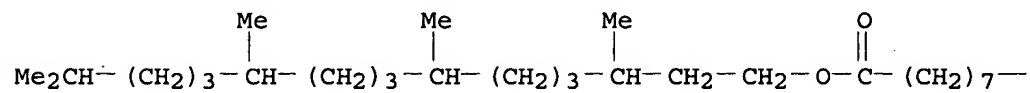
PAGE 1-B

— Me

RN 72996-25-9 USPATFULL

CN 9-Octadecenoic acid (9Z)-, 3,7,11,15-tetramethylhexadecyl ester (9CI) (CA  
INDEX NAME)

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— CH=CH—(CH<sub>2</sub>)<sub>7</sub>—Me